



# 杭州雷布新材料有限公司

*Hangzhou Rebtech Novel Material Co., Ltd.*

## Coenzyme Q10

## TECHNICAL DATA SHEET

### Description:

Coenzyme Q10 is important for skin care. It plays a vital role in the production of collagen and other proteins that make up the extracellular matrix.

**Feature:** Yellow to orange crystalline powder

Oil soluble

**Ingredient:** Coenzyme Q10

**Cosmetic grade , CAS:** 303-98-0

**For used as an active ingredient**

**Typical Application:** antioxidant, regenerating, intensive, reducing the effects of photo-aging

**Typical use level :** 0.5 to 2.0%.

**Standard Packing :** 500grams/ aluminum foil bag.

**Shelf Life :** 2 years

**Quality System :**

**Manufacture according to quality system registered to ISO 9001:2008**

# Lipovol® G



Lightweight, Silky & Nutrient-Rich Grapeseed Oil



**PRODUCT:** Lipovol® G

**EINECS #:** 287-896-9

**INCI NAME:** Vitis Vinifera (Grape) Seed Oil

**CAS #:** 8024-22-4

## WHAT IS LIPOVOL® G?

**Lipovol® G** is a nourishing grapeseed oil – a rich natural source of Omega-6 (linoleic acid) – that provides key benefits for beautiful and healthy skin, hair and nails. This pure, high quality oil features high levels of lipids (triglycerides) comprised of polyunsaturated, monounsaturated and saturated fatty acids – including linoleic, oleic (Omega-9), palmitic and stearic. The oil also naturally contains phyosterols (mainly  $\beta$ -sitosterol) and carotenoids.

An essential fatty acid, linoleic acid is known to: play an important role in hydration, restoring the barrier function; have skin brightening and healing properties; and transform into  $\gamma$ -linolenic acid with anti-inflammatory and anti-microbial properties. Grapeseed oil is a crucial ingredient for the well-being of the skin and hair – linoleic acid deficiencies may lead to issues such as weak moisture barrier, clogged pores and hair loss. Linoleic acid can help treat skin conditions such as dryness, eczema, psoriasis and inflammation. Found naturally in the skin (cell membranes, sebum), oleic acid is known to have healing, regenerating, immune-supporting, and powerful absorption properties.

**Lipovol® G** is derived from the seeds of numerous varieties of grapes. Grapes have been used since ancient times, by Greek and Roman civilizations in wine-making. **Lipovol® G** is securely and sustainably sourced. Grapeseed oil is made with grape seeds that are a byproduct of the food and beverage industry (juice, wine). The oil is vegan and gluten-free.

## KEY BENEFITS

- Lightweight, Silky Texture
- Fast Absorbing
- Rich in Vital Nutrients for Healthy Skin & Hair
- Moisturizing
- Smoothing, Softening & Radiance
- Instant Conditioning
- Emollience
- Repairing
- Soothing & Purifying
- High Shine

## IDEAL FOR USE

- Skin Care
- Hair Care
- Makeup
- Bath & Body
- Baby Care
- Men's Care
- Nail Care
- Sun Care



## TYPICAL PROPERTIES OF LIPOVOL® G

Appearance	Yellow/green liquid
Odor	Characteristic
Source	Grape Seed
Recommended Use Level	1-8% in formulation, up to 100% (alone or mixed with other products)

 **Vantage**

EMOLLIENTS

# LIPOVOL® G Lightweight, Silky & Nutrient-Rich Grapeseed Oil

## WHAT DOES LIPOVOL® G DO?

This multitasking plant oil delivers deep nourishment for smoother, softer, refreshed, more radiant skin and hair. In addition to conditioning and emollient properties, it offers hydration by replenishing lipids while helping seal in and retain essential moisture. **Lipovol® G** also works to: support skin repair, provide soothing effects, gently eliminate everyday impurities and maintain clear skin. The oil gives hair luster, and helps support healthy hair growth.

Grapeseed oil is known to have brightening, healing, anti-inflammatory and anti-microbial properties.

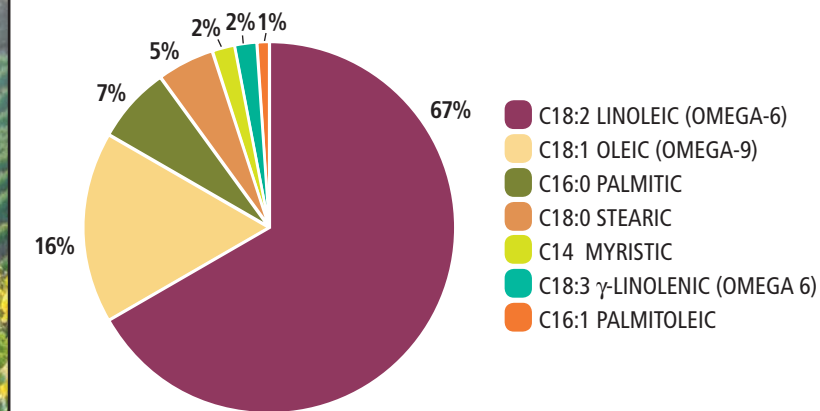
**Lipovol® G** offers a lightweight silky texture, absorbs easily with no greasy residue, and creates a high-gloss finish.

## HOW CAN LIPOVOL® G BE USED?

**Lipovol® G** is ideal for all skin types, hair types and ages. It is the perfect nourishing treatment to help the face, body, lips, hair, scalp, nails and cuticles look and feel more beautiful and healthy. This incredible all-in-one product can be used head to toe – as a moisturizer or serum alone; as a booster mixed with other products before application; or as an easy-to-use ingredient for many types of formulas. It is an excellent massage oil and carrier to dilute essential oils.

**Lipovol® G** should be added into the oil phase of an emulsion with other oil phase ingredients. **Lipovol® G** should not be heated above 85°C for a prolonged period of time. This has the potential to cause discoloration. The addition of anti-oxidants, such as Vitamin E, is recommended to increase the shelf life of formulas containing natural oils.

### TYPICAL FATTY ACID COMPOSITION



## DATA

### SKIN BRIGHTENING & LIGHTENING PROPERTIES

**Results of *in vitro* studies\*:** Linoleic acid and oleic acid inhibit the production of melanin – ideal for helping reduce the appearance of hyperpigmentation.

\*On murine melanoma cells.

### HYDRATING & SOOTHING EFFECTS

**Results of an *in vivo* study:** A formula containing linoleic acid and ceramides improved hydration (water content, water loss) and alleviated psoriasis.

### ANTI-MICROBIAL PROPERTIES & IMMUNITY SUPPORT

**Results of *in vitro* studies:**  $\gamma$ -linolenic acid (produced by the conversion of linoleic acid on the skin) inhibits growth of *Staphylococcus aureus* and *Propionibacterium acnes*. It was also shown to kill *Staphylococcus aureus*. *Staphylococcus aureus* (associated with inflammation, atopic dermatitis and acne) and *Propionibacterium acnes* (associated with acne) are bacteria found in stressed, inflamed and troubled skin. In addition to killing *Staphylococcus aureus*, oleic acid stimulates the production of human  $\beta$ -defensin (hBD-2) – a peptide involved in immunity that fights bacteria such as *Propionibacterium acnes*\*. \*Western Blot analysis (on human sebocytes).

### REGENERATING & ABSORPTION PROPERTIES

**Results of *in vitro* studies\*:** Oleic acid is a component in phospholipids that are found naturally in the skin\*. Phospholipids are key structural elements in cell membranes, needed to support the skin's natural cell function and renewal process. Easily absorbed into the skin's surface, oleic acid also enhances penetration for optimal delivery of active ingredients. \*Tested on fetal human fibroblasts.

#### DATA REFERENCES

Garavaglia J, Markoski MM, Oliveira A, Marcadenti A. Grape Seed Oil Compounds: Biological and Chemical Actions for Health. *Nutr Metab Insights* 9:59-64, 2016

Sabir A, Unver A, Kara Z. The fatty acid and tocopherol constituents of the seed oil extracted from 21 grape varieties (*Vitis* spp.). *J Sci Food Agric* 92(9):1982-7, 2012

Fernandes L, Casal S, Cruz R, et al. Seed oils of ten traditional Portuguese grape varieties with interesting chemical and antioxidant properties. *Food Res Intern* 50(1):161-166, 2013

Assumpção CF, Nunes IL, Mendonça TA, et al. Bioactive compounds and stability of organic and conventional *Vitis labrusca* grape seed oils. *J Am Oil Chem Soc* 93:115-124, 2016

Cardoso CR, Souza MA, Ferro EA, Favoreto S Jr, Pena JD. Influence of topical administration of n-3 and n-6 essential and n-9 nonessential fatty acids on the healing of cutaneous wounds. *Wound Repair Regen* 12(2):235-43, 2004

Elias PM, Brown BE, Ziboh VA. The Permeability Barrier in Essential Fatty Acid Deficiency: Evidence for a Direct Role for Linoleic Acid in Barrier Function. *J Invest Dermatol* 74(4):230-3, 1980

Skolnik P, et al. Human essential fatty acid deficiency: treatment by topical application of linoleic acid. *Arch Dermatol* 113(7):939-41, 1977

Downing DT, Stewart ME, Wertz PW, Strauss JS. Essential fatty acids and acne. *J Am Acad Dermatol* 14(2 Pt 1):221-5, 1986

Aravitskaia E, et al. The role of topical dermocosmetics in acne vulgaris. *J Eur Acad Dermatol Venereol* 30(6):926-35, 2016

McCusker MM, Grant-Kels JM. Healing fats of the skin: the structural and immunologic roles of the omega-6 and omega-3 fatty acids. *Clin Dermatol* 28(4):440-51, 2010

Kapoor R, et al. Gamma linolenic acid: an antiinflammatory omega-6 fatty acid. *Cur Pharm Biotechnol* 7(6):531-4, 2006

Sales-Campos H, Souza PR, Peghini BC, da Silva JS, Cardoso CR. An overview of the modulatory effects of oleic acid in health and disease. *Mini Rev Med Chem* 13(2):201-10, 2013

Ando H, et al. Linoleic acid and alpha-linolenic acid lightens ultraviolet-induced hyperpigmentation of the skin. *Arch Dermatol Res* 290(7):375-81, 1998

Liu M, Li X, Chen XY, Xue F, Zheng J. Topical application of a linoleic acid-ceramide containing moisturizer exhibit therapeutic and preventive benefits for psoriasis vulgaris: a randomized controlled trial. *Dermatol Ther* 28(6):373-82, 2015

Desbois A, et al. Antibacterial activity of long-chain polyunsaturated fatty acids against *Propionibacterium acnes* and *Staphylococcus aureus*. *Mar Drugs* 11(11):4544-57, 2013

Chen CH, Wang Y, Nakatsuji T, Liu YT, Zouboulis C, Gallo R, Zhang L, Hsieh MF, Huang CM. An innate bactericidal oleic acid effective against skin infection of methicillin-resistant *Staphylococcus aureus*: a therapy concordant with evolutionary medicine. *J Microbiol Biotechnol* 21(4):391-9, 2011

Speert DP, Wannamaker LW, Gray ED, Clawson CC. Bactericidal effect of oleic acid on group A streptococci: mechanism of action. *Infect Immun* 26(3):1202-10, 1979

Nakatsuji T, Kao MC, Zhang L, Zouboulis CC, Gallo RL, Huang CM. Sebum free fatty acids enhance the innate immune defense of human sebocytes by upregulating beta-defensin-2 expression. *J Invest Dermatol* 130(4):985-94, 2010

Rosenthal MD. Selectivity in incorporation, utilization and retention of oleic and linoleic acids by human skin fibroblasts. *Lipids* 15(10):838-48, 1980

Engelbrecht TN, Schroeter A, Hauss T, Neubert RH. Lipophilic penetration enhancers and their impact to the bilayer structure of stratum corneum lipid model membranes: neutron diffraction studies based on the example oleic acid. *Biochim Biophys Acta* 1808(12):2798-806, 2011



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## LIPOVOL® G Lightweight, Silky & Nutrient-Rich Grapeseed Oil



All data, including the formulations and procedures discussed herein, to the knowledge of Vantage Specialty Chemicals, Inc. (Vantage), are believed to be correct, reliable and accurate. Please note; however, that Vantage does not warrant or guarantee any accuracy, reliability or completeness of the information contained herein. It is the user's responsibility to determine the suitability and completeness of such information for the user's particular use (including performing any necessary confirmatory tests). Vantage is not responsible or liable for any loss or damage that may occur from the use of this information, nor do we warrant against any patent infringement. Nothing contained herein shall be construed as providing any permission, recommendation, or inducement to practice any patented invention without permission of the patent owner.

EMOLLIENTS

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110417

# Seatons Safflower Oil

## Origin

Safflower oil is obtained from the seeds of the *Carthamus tinctorius* plant, which is grown in the USA, South America and India.

## Characteristics and applications

Safflower oil has a very high linoleic acid content and contains sterols. It has excellent skin penetration properties and is used to replenish moisture in skin preparations. It is a cost effective multi purpose oil which can be used in a wide variety of skin care formulations.

## Range available

- Seatons refined safflower oil
- Seatons safflower oil Type 1 PhEur
- Seatons safflower oil USP/NF

## Typical properties (organic grade)

Appearance/form	Yellow liquid
Free fatty acid content	0 - 2%
Iodine value	138 - 150
Saponification value	186 - 198
Required HLB value	8

## Typical fatty acid profile

Palmitic C16	5 - 10%
Stearic C18	1 - 5%
Oleic C18:1	8 - 22%
Linoleic C18:2	67 - 84%

## Regulatory information

INCI name (PCPC)	<i>Carthamus Tinctorius</i> (Safflower) Seed Oil
CAS number	8001-23-8
EINECS number	232-276-5
REACH status	Exempt (Annex V.9)



Specification, starting formulations and MSDS available on request

## Non-warranty

The information in this publication is believed to be accurate and is given in good faith, but no representation or warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions. Users are responsible for determining the suitability of these products for their own particular purpose. No representation or warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties of merchantability, fitness for a particular purpose, non-infringement of any third party patent or other intellectual property rights including, without limit, copyright, trademark and designs. Any trademarks identified herein are trademarks of the Croda group of companies.

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10/14

Page 1 of 1

# Product Specification

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**Product Name:** SOYBEAN OIL REFINED USP

**Vigon Code:** 500357

**CAS Number:** 8001-22-7

**FEMA Number:**

**Characteristic:**

**Specification:**

Free Fatty Acids	0.000	0.050
Iodine Value	120.00	140.00
Moisture%	0.00	0.05
Odor	BLAND, ALMOST ODORLESS.	
Peroxide Value (mmol/l)	0.00	1.00
Flavor	PASSES TEST	
Color/appearance	CLEAR, GREENISH-YELLOW, BRIGHT AND OILY LIQUID.	

**Additional Product Information:**

**Flash Point:** >200 °F

**Shelf Life:** 12 Months

**Storage Conditions:** Stable when stored in its original package, tightly sealed in a cool (46-90°F) and dry location out of direct heat and light.

**Effective Date:** July 2, 2018



## SAFETY DATA SHEET

### 500357 SOYBEAN OIL REFINED USP

Revision Date: 01-23-2020

Page 1 of 8

Version # 05

Print Date: 01-23-2020

#### 1. IDENTIFICATION

**Product Description:** SOYBEAN OIL REFINED USP  
**CAS #** 8001-22-7  
**Other means of identification**  
**Vigon Item #** 500357  
**Recommended use** Concentrated aromatic and flavor ingredient which may be used in flavor and fragrance compounds according to legal and IFRA or FEMA GRAS/FDA guidelines.  
**Recommended restrictions** For Manufacturing Use Only

Company

Vigon International, Inc.  
127 Airport Road  
E. Stroudsburg, PA 18301  
For information call: 570-476-6300  
Web Site: www.vigon.com

24 Hour Emergency Response Information

INFOTRAC (ACCT# 78928);  
1-800-535-5053 WITHIN THE U.S.A.  
1-352-323-3500 OUTSIDE THE U.S.A.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer**

<b>Company name</b>	Vigon International, Inc.	
<b>Address</b>	127 Airport Road E. Stroudsburg, PA 18301 United States	
<b>Telephone</b>	For information call:	570-476-6300
<b>Website</b>	www.vigon.com	
<b>E-mail</b>	Not available.	
<b>Emergency phone number</b>	INFOTRAC	(ACCT# 78928);
	1-800-535-5053	WITHIN THE U.S.A.
	1-352-323-3500	OUTSIDE THE U.S.A.

#### 2. HAZARD(S) IDENTIFICATION

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The substance does not meet the criteria for classification.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.





## SAFETY DATA SHEET

### 500357 SOYBEAN OIL REFINED USP

Revision Date: 01-23-2020

Page 2 of 8

Version # 05

Print Date: 01-23-2020

<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.
<b>Supplemental information</b>	100% of the substance consists of component(s) of unknown acute hazards to the aquatic environment. 100% of the substance consists of component(s) of unknown long-term hazards to the aquatic environment.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substances

Chemical name	Common name and synonyms	CAS number	%
SOYBEAN OIL		8001-22-7	100

### 4. FIRST-AID MEASURES

<b>Inhalation</b>	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. For breathing difficulties, oxygen may be necessary. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Take off immediately all contaminated clothing. Get medical attention if irritation develops and persists. Wash skin thoroughly with soap and water for several minutes.
<b>Eye contact</b>	Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists. Promptly wash eyes with plenty of water while lifting the eye lids.
<b>Ingestion</b>	Call a physician or poison control center immediately. If swallowed, rinse mouth with water (only if the person is conscious). Do not induce vomiting. If vomiting occurs, the head should be kept low so that stomach vomit doesn't enter the lungs.
<b>Most important symptoms/effects, acute and delayed</b>	Direct contact with eyes may cause temporary irritation.
<b>Indication of immediate medical attention and special treatment needed</b>	Not available.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance.

### 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Water spray, fog, CO2, dry chemical, or alcohol resistant foam.
<b>Unsuitable extinguishing media</b>	Do not use a solid water stream as it may scatter and spread fire.
<b>Specific hazards arising from the chemical</b>	Fire may produce irritating, corrosive and/or toxic gases.
<b>Special protective equipment and precautions for firefighters</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. Structural firefighters protective clothing will only provide limited protection. Wear self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode when fighting fires.
<b>Fire fighting equipment/instructions</b>	In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Water runoff can cause environmental damage. Ventilate closed spaces before entering them. Keep run-off water out of sewers and water sources. Dike for water control.
<b>Specific methods</b>	Use water spray to cool unopened containers.



# SAFETY DATA SHEET

## 500357 SOYBEAN OIL REFINED USP

Revision Date: 01-23-2020

Page 3 of 8

Version # 05

Print Date: 01-23-2020

**General fire hazards** Static charges generated by emptying package in or near flammable vapor may cause flash fire.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** Eliminate all sources of ignition. Avoid contact with skin or inhalation of spillage, dust or vapor. Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them.

**Methods and materials for containment and cleaning up** Collect and dispose of spillage as indicated in section 13 of the SDS.

Absorb with inert absorbent such as dry clay, sand or diatomaceous earth, commercial sorbents, or recover using pumps.

The product is immiscible with water and will spread on the water surface.

Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible.

Never return spills in original containers for re-use. This material and its container must be disposed of as hazardous waste. Eliminate all ignition sources (no smoking, flares, sparks or flames in immediate area). Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

**Environmental precautions** Retain and dispose of contaminated wash water. Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water.

### 7. HANDLING AND STORAGE

**Precautions for safe handling** Do not handle or store near an open flame, heat or other sources of ignition. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Avoid breathing vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Wash thoroughly after handling.

**Conditions for safe storage, including any incompatibilities** Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated area.

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Occupational exposure limits** This substance has no PEL, TLV, or other recommended exposure limit.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Appropriate engineering controls** Use explosion-proof ventilation equipment to stay below exposure limits. Adequate ventilation should be provided so that exposure limits are not exceeded.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Skin protection**

**Hand protection** Chemical resistant gloves.

**Other** Wear suitable protective clothing.



## SAFETY DATA SHEET

### 500357 SOYBEAN OIL REFINED USP

Revision Date: 01-23-2020

Page 4 of 8

Version # 05

Print Date: 01-23-2020

<b>Respiratory protection</b>	Respiratory protection not required. If ventilation is insufficient, suitable respiratory protection must be provided.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Refer to Spec Sheet
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Refer to Spec Sheet
<b>Odor</b>	Characteristic.
<b>Odor threshold</b>	Not available.
<b>pH</b>	Not available.
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	Not available.
<b>Flash point</b>	> 200.0 °F (> 93.3 °C) Closed Cup
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not applicable.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Not available.
<b>Solubility(ies)</b>	
<b>Solubility (water)</b>	Insoluble
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Other information</b>	
<b>Explosive properties</b>	Not explosive.
<b>Flammability class</b>	Combustible IIIB estimated



## SAFETY DATA SHEET

### 500357 SOYBEAN OIL REFINED USP

Revision Date: 01-23-2020

Page 5 of 8

Version # 05

Print Date: 01-23-2020

<b>Molecular formula</b>	Not applicable
<b>Oxidizing properties</b>	Not oxidizing.
<b>Specific gravity</b>	0.9 at 25 °C

#### 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Material is stable under normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to avoid</b>	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous decomposition products</b>	No hazardous decomposition products if stored and handled as indicated.

#### 11. TOXICOLOGICAL INFORMATION

##### Information on likely routes of exposure

<b>Inhalation</b>	Knowledge about health hazard is incomplete.
<b>Skin contact</b>	Causes mild skin irritation.
<b>Eye contact</b>	Knowledge about health hazard is incomplete. Causes mild eye irritation.
<b>Ingestion</b>	Expected to be a low ingestion hazard.

**Symptoms related to the physical, chemical and toxicological characteristics**  
Direct contact with eyes may cause temporary irritation.

##### Information on toxicological effects

###### Acute toxicity

Product	Species	Test Results
SOYBEAN OIL (CAS 8001-22-7)		
<b>Acute</b>		
<i>Other</i>		
LD50	Rat	16500 mg/kg Intravenous

**Skin corrosion/irritation** Due to partial or complete lack of data the classification is not possible.

**Serious eye damage/eye irritation** Due to partial or complete lack of data the classification is not possible.

###### Respiratory or skin sensitization

**Respiratory sensitization** Due to partial or complete lack of data the classification is not possible.

**Skin sensitization** Due to partial or complete lack of data the classification is not possible.

**Germ cell mutagenicity** Due to partial or complete lack of data the classification is not possible.

**Carcinogenicity** Due to partial or complete lack of data the classification is not possible.

###### IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.



## SAFETY DATA SHEET

### 500357 SOYBEAN OIL REFINED USP

Revision Date: 01-23-2020

Page 6 of 8

Version # 05

Print Date: 01-23-2020

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

#### US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

<b>Reproductive toxicity</b>	Due to partial or complete lack of data the classification is not possible.
<b>Specific target organ toxicity - single exposure</b>	Due to partial or complete lack of data the classification is not possible.
<b>Specific target organ toxicity - repeated exposure</b>	Due to partial or complete lack of data the classification is not possible.
<b>Aspiration hazard</b>	Due to partial or complete lack of data the classification is not possible.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
<b>Persistence and degradability</b>	No data is available on the degradability of this substance.
<b>Bioaccumulative potential</b>	No data available.
<b>Mobility in soil</b>	No data available.
<b>Other adverse effects</b>	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## 13. DISPOSAL CONSIDERATIONS

<b>Disposal instructions</b>	Do not discharge into drains, water courses or onto the ground. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
<b>Local disposal regulations</b>	Dispose in accordance with all applicable regulations.
<b>Hazardous waste code</b>	Not established.
<b>Waste from residues / unused products</b>	Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. TRANSPORT INFORMATION

<b>ADN</b>	Not regulated as dangerous goods.
<b>ADR</b>	Not regulated as dangerous goods.
<b>RID</b>	Not regulated as dangerous goods.
<b>DOT</b>	
<b>BULK</b>	Not regulated as dangerous goods.



# SAFETY DATA SHEET

## 500357 SOYBEAN OIL REFINED USP

Revision Date: 01-23-2020

Page 7 of 8

Version # 05

Print Date: 01-23-2020

### DOT

#### NON-BULK

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

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## 15. REGULATORY INFORMATION

### US federal regulations

#### Toxic Substances Control Act (TSCA)

##### TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

#### CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

#### SARA 304 Emergency release notification

Not regulated.

#### OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

#### SARA 313 (TRI reporting)

Not regulated.

### Other federal regulations

#### Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

#### Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

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## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Issue date	03-28-2017
Revision date	01-23-2020
Version #	05
HMIS® ratings	Health: 1 Flammability: 1 Physical hazard: 0



## SAFETY DATA SHEET

### 500357 SOYBEAN OIL REFINED USP

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Revision Date: 01-23-2020

Page 8 of 8

Version # 05

Print Date: 01-23-2020

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#### Disclaimer

Vigon International, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, and disposal and should not be considered as a guarantee or quality specification. This product has not been evaluated for safe use in e-cigarettes or any vaping application where the product(s) is/are intentionally vaporized and inhaled. Vigon International, Inc. has performed no testing on these products in e-cig/vaping applications. It is the sole responsibility of the individual(s) purchasing this product to assess its' safety in the final application. The above information relates only to this product and not to its use in combination with any other material or any particular process and is designed only as guidance for the safe handling, use, processing, storage, transportation, disposal, and should not be considered as a guarantee or quality specification. The above information is based on data provided by and collected from recognized sources such as distributors, manufacturers, and technical groups and is considered to be accurate to the best of Vigon's knowledge as of the date of this document. It is the responsibility of the user to review all safety information about this product and determine its safety and suitability in their own processes and operations. Appropriate warnings and safe handling procedures should be provided to all handlers and users, taking into account the intended use and the specific conditions and factors relating to such use in accordance with all applicable laws and regulations.

#### Revision information

This document has undergone significant changes and should be reviewed in its entirety.



# Kosher Certificate



Date: February 3, 2020  
ח' בשבט תש"פ  
Kof-K ID: K-0000507  
Certificate ID: H41G9-B94QV  
Product Count: 1

This certificate is valid through  
**12/31/2020**

**VIGON INTERNATIONAL, INC**  
127 AIRPORT RD.  
EAST STROUDSBURG, PA 18301 UNITED STATES

The following product(s) Manufactured By VIGON INTERNATIONAL, INC are certified kosher with the listed restrictions.

Product Code	Product Name	Status	Restriction	UKD#
500357	Soybean Oil USP	Parve	Kof-K symbol required	KFIMWN7MDV

**Rabbi Avram Ossey**  
**Rabbinic Administrator**

To verify or for the most up to date certificate please go to [www.koshercertificate.com](http://www.koshercertificate.com)  
201 The Plaza, Teaneck, NJ 07666 | Phone 201.837.0500 | fax 201.837.0126







# المجلس الإسلامي الأمريكي للغذاء و التغذية

## THE ISLAMIC FOOD AND NUTRITION COUNCIL OF AMERICA

### IFANCA HALAL PRODUCT CERTIFICATE شهادة حلال

This is to certify that the following product(s) have been produced under the supervision of the Islamic Food and Nutrition Council of America(IFANCA). The production facility as well as component ingredients have been reviewed and approved. The product(s) are in compliance with the halal requirements under Islamic laws.

Date: **November 15, 2019**

Document #: **6718.12506.II195592**

Company Name & Address: **Vigon International, Inc.** 127 Airport Road East Stroudsburg, Pennsylvania 18301 USA

ProductName	Product Code	Halal-ID	Product Certificate #
1. Soybean Oil USP	500357	A68781	HC-19VIBX72

*Muhammad Munir Chaudry*  
Muhammad Munir Chaudry, Ph.D.  
President



This Certificate is valid until **January 31, 2021** and subject to renewal at that time.



## Food Grade Certification

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

**FEMA #:**

Vigon International, Inc. certifies that the above flavor or ingredient is FDA/FEMA GRAS. We would like to assure you that we use only flavor ingredients that are listed as being generally recognized as safe (GRAS) on a reliable published industry association (FEMA) list and/or are approved for use in a regulation of the U.S. Food and Drug Administration. We hereby certify that this flavor or ingredient is safe for its intended use in food.

Vigon International, Inc. may terminate this certification at any time upon written notice in which this certification shall be null and void as to any material supplied after termination of the certification.

Sincerely,

A handwritten signature in black ink that reads "Amanda Moyer". The signature is written in a cursive, flowing style.

Amanda Moyer  
Product Documentation Coordinator  
Date of Issue: February 4, 2020

## US - Natural Status Certificate

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

Vigon International, Inc. certifies that the product listed above is declared *natural* and meets the criteria of Naturalness as defined in Section 101.22 (a) (3) of Title 21 of the United States Code of Federal Regulations.

Vigon International, Inc. certifies that the product meets the following criteria:

- Does not contain any artificial flavors
- Is not adulterated or misbranded according to Food and Drug laws

Vigon International, Inc. may terminate this certification at any time upon written notice, in which this certification shall be null and void as to any material supplied after termination of the certification.

Sincerely,

A handwritten signature in black ink that reads "Amanda Moyer". The signature is written in a cursive, flowing style.

Amanda Moyer  
Product Documentation Coordinator  
Date of Issue: February 4, 2020

# Allergen/Sensitive Agents Identification Sheet



Product Name: SOYBEAN OIL REFINED USP

Vigon Code: 500357

\* A check mark (✓) indicates the Allergen/Sensitive Agent is present. If blank it means that there is no Allergen/Sensitive present.

ALLERGEN/SENSITIVE AGENTS	*
<b>CORN &amp; CORN PRODUCTS</b> Includes modified starch, hydrolyzed protein, sweeteners, sugars, spice carriers	
<b>EGG &amp; EGG PRODUCTS</b> liquid and powders	
<b>FISH</b> Includes any and all species of fresh and salt water fish	
<b>GARLIC</b> Dehydrated, powdered, granules, and flakes	
<b>GLUTEN</b> Wheat, rye, barley, oats, flour, etc.	
<b>MILK &amp; DAIRY PRODUCTS</b> Includes whey, lactose, cheese, casein, spice carriers, milk, cream, etc.	
<b>MONOSODIUM GLUTAMATE</b>	
<b>PEANUTS, PEANUT OIL &amp; PEANUT DERIVED ITEMS</b> Peanut meal, flour & ground nuts, szechwan sauce, mandelona nuts, etc.	
<b>SESAME SEEDS &amp; SESAME OIL</b>	
<b>CRUSTACEANS</b> Shrimp, lobster, rock lobster, crab, crayfish, and products made from them	
<b>MOLLUSKS</b> Clams, mussels, oysters, scallops, and products made from them	
<b>SOY</b> Includes soya powder, protein, oil, lecithin, tofu	
<b>SULFITES</b> Includes sulfur dioxide, sodium dithionite, chemicals that lists sulfite, etc.	
<b>TREE NUTS</b> Includes almonds, beechnuts, basil nuts, nutmeg, cashews, chestnuts, etc.	
<b>WHEAT</b> Includes hydrolyzed wheat protein, flour, gluten flour, starches	
<b>MUSTARD &amp; MUSTARD OIL</b>	
<b>LUPIN</b>	
<b>CELERY</b>	

Vigon International, Inc. follows Good Manufacturing Practices and has implemented HACCP systems. Our personnel are trained on the proper handling of allergenic materials.

Sincerely,

Amanda Moyer  
Product Documentation Coordinator  
Date of Issue: February 4, 2020

## GMO Status Statement

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

Vigon International, Inc. declares that, to the best of our knowledge, the product listed above may have been derived from a genetically modified source material and therefore may contain modified DNA and/or proteins derived from genetically modified DNA. Its exact status cannot be determined due to intermixing of genetically and non-genetically modified varieties at source.

Sincerely,

A handwritten signature in black ink that reads "Amanda Moyer". The signature is written in a cursive, flowing style.

Amanda Moyer  
Product Documentation Coordinator  
Date of Issue: February 4, 2020

# Ingredient Statement

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

**CAS #: 8001-22-7**

**100%**

Vigon Regulatory Department  
Date of Issue: February 4, 2020

# Irradiation and Sewage Sludge Statement

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

Vigon International, Inc. declares that the product listed above has **not** been:

- a) Exposed to Ionizing Radiation
- b) Derived from Sewage Sludge
- c) Treated with Ethyl Oxide

Vigon International, Inc. may terminate this statement at any time upon written notice in which this statement shall be null and void as to any material supplied after termination of the statement.

Sincerely,

A handwritten signature in black ink that reads "Amanda Moyer". The signature is written in a cursive, flowing style.

Amanda Moyer  
Product Documentation Coordinator  
Date of Issue: February 4, 2020

# Heavy Metals and Pesticide Statement

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

Vigon International, Inc. declares that, to the best of our knowledge and belief, all ingredients in the product listed above are listed as being generally recognized as safe (GRAS) by the Food and Drug Administration (FDA) when used in accordance with the FDA's good manufacturing practices (GMP) and contain no residues of heavy metals and pesticides in excess of tolerances set by the FDA and the Environmental Protection Agency (EPA).

Sincerely,

A handwritten signature in black ink that reads "Amanda Moyer". The signature is written in a cursive, flowing style.

Amanda Moyer  
Product Documentation Coordinator  
Date of Issue: February 4, 2020



## Continuing Product Guarantee

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

In accordance with the regulations promulgated under the Federal Food, Drug, and Cosmetic Act, Vigon International, Inc. hereby provides continuing guarantee for the item listed above.

The article(s) comprising each shipment or other delivery hereafter made by Vigon International, Inc. is hereby guaranteed, as of the date of shipment or delivery, to be, on such date, not adulterated or misbranded within the meaning of the Federal Food, Drug, and Cosmetic Act, and not an article which may not, under the provisions of section 404, 505, or 512 of the act, be introduced into interstate commerce.

The guarantee herein given shall be a continuing guarantee and shall remain in full force and effect until revoked in writing by the undersigned. This guarantee shall not limit or preclude the operation and effect of any and all provisions of any agreement(s) under which the articles covered by this guarantee are sold, and the provisions of such agreement(s) shall govern in the event of any conflict or inconsistency herewith. Supplier's liability for breach of this guarantee shall in no event exceed the value of such of the articles of the supplier shipped to or on the order of Purchaser hereunder as may fail to comply with this guarantee.

This guarantee shall be void and of no effect in any instance where the particular use by Purchaser of any article to which this guarantee would otherwise apply is a use which is not in accordance with the requirements of the Federal Food, Drug and Cosmetic Act. Any and all prior guarantees and/or indemnity agreements heretofore given by supplier, are hereby revoked.

Sincerely,

A handwritten signature in black ink that reads "Amanda Moyer". The signature is written in a cursive, flowing style.

Amanda Moyer  
Product Documentation Coordinator  
Date of Issue: February 4, 2020

# Dietary Preferences & Restrictions



**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

Vigon International, Inc. certifies that the product listed above is suitable for consumption by:

<b>Vegans</b> Do not eat meat, poultry, fish/seafood, eggs, dairy products, honey	✓
<b>Lacto-Vegetarians</b> Do not eat meat, poultry, fish/seafood, eggs, but do eat dairy products	✓
<b>Ovo-Vegetarians</b> Do not eat meat, poultry, fish/seafood, dairy products, but do eat eggs	✓
<b>Vegetarians</b> Do not eat meat, poultry, fish/seafood, but do eat dairy products and eggs	✓

Sincerely,

Amanda Moyer  
Product Documentation Coordinator  
Date of Issue: February 4, 2020

# Animal Testing Statement

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

Vigon International, Inc. is not in the practice of performing or commissioning animal testing on its finished products and actively evaluates the ingredients of its products through non-animal testing methods and through computational (predictive) toxicology programs. However, some ingredients used in our products have been subjected to animal testing by the academic community, government agencies, or within the chemical industry.

Sincerely,

A handwritten signature in black ink that reads "Amanda Moyer". The signature is written in a cursive, flowing style.

Amanda Moyer  
Product Documentation Coordinator  
Date of Issue: February 4, 2020

## Proposition 65 Statement

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

Vigon International, Inc. certifies that the product above is **not listed** on the California's Safe Drinking Water and Toxic Enforcement Act of 1986, also known as Proposition 65.

Sincerely,

A handwritten signature in black ink that reads "Amanda Moyer". The signature is written in a cursive, flowing style.

Amanda Moyer  
Product Documentation Coordinator  
Date of Issue: February 4, 2020

# Nanomaterials

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

We hereby confirm, to the best of our knowledge, that the above referenced product has not been formulated with engineered nanomaterials.

"Engineered nanomaterial" means any intentionally produced material that has one or more dimensions of the order of 100 nm or less or that is composed of discrete functional parts, either internally or at the surface, many of which have one or more dimensions of the order of 100 nm or less, including structures, agglomerates or aggregates, which may have a size above the order of 100nm but retain properties that are characteristic of the nanoscale.

Vigon Regulatory Department  
Date of Issue: February 4, 2020

# Transmissible Spongiform Encephalopathy (TSE) and Bovine



## Spongiform Encephalopathy (BSE) Statement

**Product Name:** SOYBEAN OIL REFINED USP

**Vigon Code:** 500357

Vigon International, Inc. products are manufactured wholly from synthetic, natural or manufactured materials and do not contain any raw materials produced from or substances derived of animal origin. Moreover, these products do not contain, and are not derived from, specified risk material as defined in Commission Decision 97/534/EC or mechanically recovered meat obtained from the vertebral column of bovine, ovine or caprine animals.

The manufacturing process does not use any ingredient of animal origin nor do our products come in contact with animal products during storage and transportation.

We further declare that our products are Dioxin Free.

Therefore, to the best of our knowledge the product listed above are free from Transmissible Spongiform Encephalopathy (TSE) and Bovine Spongiform Encephalopathy (BSE).

Vigon International, Inc. may terminate this statement at any time upon written notice, in which this statement shall be null and void as to any material supplied after termination of the statement.

Vigon Regulatory Department

Date of Issue: February 4, 2020

## Botanical Species

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**Product Name:** SOYBEAN OIL REFINED USP

**Vigon Code:** 500357

**Botanical Species:** Glycine soja family: Leguminoceae

**Part of plant used:** Seed

**Country of origin for the plant:** USA/Canada

Vigon Regulatory Department  
Date of Issue: February 4, 2020

# International Inventories

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances and Control Act (TSCA) Inventory	Yes

Vigon Regulatory Department  
Date of Issue: February 4, 2020



# Solvent

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**Product Name: SOYBEAN OIL REFINED USP**

**Vigon Code: 500357**

<b>Hexane</b>	<b>0.0000</b>	<b>%</b>
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Vigon Regulatory Department  
Date of Issue: February 4, 2020



\* *Pharmaceuticals*  
\* *Fine Chemicals*  
\* *Cosmeceuticals*

\* *Phytochemicals*  
\* *Herbal Extracts*  
\* *Specialty Chemicals*

Corporate Office  
20 Lake Drive  
East Windsor, NJ 08520  
Tel: (732) 777-1111  
Fax: (732) 777-1443

Utah Office  
750 So. Innovation Circle  
Payson, UT 84651  
Tel: (801) 465-8400  
Fax: (801) 465-8600

## PRODUCT DATA SHEET GRAPE SEED EXTRACT

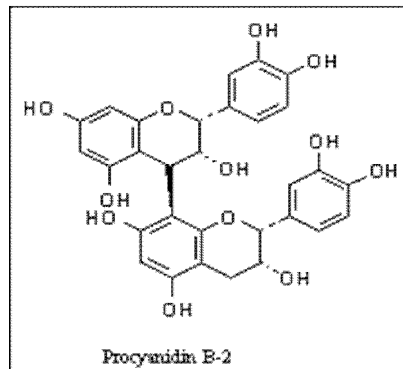
Issue No. 3.0

Effective date: February 25, 2015

Product: A standardized extract from *Vitis vinifera* (grape) Seeds

Source: Seeds

Chemistry: The active constituents are proanthocyanidins (95%)



Example of dimeric proanthocyanidin

Suggested use level in Nutraceutical 50 - 300 mg per day

Nutraceutical Applications: Versatile antioxidant,  
Supports general health maintenance

U.S. Marketing History: Yes

Form of Supply: Standardized Powder Extract